

IN THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

Listing of Claims:

1.(Currently Amended) A method for operating a mobile equipment (ME) in a wireless network, comprising steps of:

~~deriving an indication of ME speed in the wireless network;~~
~~transmitting the speed indication to the ME~~ wirelessly receiving at a mobile equipment ME an indication of the ME's speed through a wireless network;

calculating in the ME an indication of link quality experienced by the ME, the calculation employing a filter having a finite filter length that is a function of the speed indication; and

reporting the calculated indication of link quality to the wireless network.

2. (Canceled)

3.(Currently Amended) A method as in claim 1, wherein the step of ~~transmitting~~ receiving uses a point-to-point message.

4.(Currently Amended) A method as in claim 1, wherein the step of ~~transmitting~~ receiving places the speed indication in padding bits of a point-to-point message.

5.(Currently Amended) A method as in claim 1, wherein the step of ~~transmitting~~ receiving uses a message ~~sent~~ received on a Packet Associated Control Channel (PACCH).

6.(Currently Amended) A method as in claim 1, wherein the ~~step of transmitting uses~~ indication of ME speed comprises a message ~~sent~~ received in a Packet System Identification 13 (PSI13) message ~~sent~~ received on a Packet Associated Control Channel (PACCH).

7.(Currently Amended) A method as in claim 1, wherein the ~~step of transmitting uses~~ indication of ME speed comprises a plurality of bits ~~placed into~~ in a Packet System

Identification 13 (PSI13) message ~~sent~~ received on a Packet Associated Control Channel (PACCH).

8.(Currently Amended) A method as in claim 1, wherein the ~~step of transmitting uses~~ indication of ME speed comprises a plurality of bits placed into padding bits of a Packet System Identification 13 (PSI13) message sent received on a Packet Associated Control Channel (PACCH).

9.(Currently Amended) A method as in claim 1, wherein ~~step of transmitting uses~~ indication of ME speed comprises a plurality of bits for indicating a plurality of speed subranges of a speed range.

10.(Currently Amended) A method as in claim 1, wherein the ~~step of transmitting uses~~ indication of ME speed comprises four bits for indicating 16 speed subranges within a speed range.

11.(Previously Presented) A method as in claim 1, wherein the speed indication is used to modify a forgetting factor that influences a length of a filter that operates on link quality measurement data.

12.(Previously Presented) A method as in claim 1, wherein the speed indication is used to calculate a forgetting factor that influences the length of the filter that operates on link quality measurement data.

13.(Previously Presented) A method as in claim 1, wherein the speed indication is used to modify a forgetting factor that is received in a broadcast message from the wireless network, the forgetting factor influencing the length of the filter that operates on link quality measurement data.

14.(Previously Presented) A method as in claim 1, wherein the speed indication is used to replace a forgetting factor that is received in a broadcast message from the wireless network, the forgetting factor influencing the length of the filter that operates on link quality measurement data.

15.(Original) A method as in claim 1, wherein the step of calculating takes into account a derivative of a speed of the ME.

16.(Original) A method as in claim 1, wherein the step of calculating operates on a plurality of measurements of one of a mean Bit Error Probability (BEP) or a coefficient of variation of a Bit Error Probability (cv)(BEP).

17.(Currently Amended) A wireless communications system comprised of a wireless network and at least one mobile equipment (ME) located in a serving cell of said wireless network, ~~further comprising~~
wherein the wireless network comprises:

a unit ~~in said wireless network~~ for deriving an indication of a speed of said an ME within the a serving cell of the network;

a transmitter ~~in said wireless network~~ for transmitting the indication of the ME speed to the ME; and

a receiver;

and wherein the ME comprises:

a receiver ~~in said ME~~ for receiving said transmitted speed indication;

~~and~~ a processor ~~in said ME~~ for implementing a filter for filtering a sequence of link quality measurement data, said filter having a finite filter length that is a function of said received transmitted speed indication; and

a transmitter in said ME for transmitting an indication of said filtered link quality measurement data to a the receiver of said wireless network.

18.(Original) A wireless communications system as in claim 17, wherein link quality measurement data is comprised of one of a mean Bit Error Probability (BEP) or a coefficient of variation of Bit Error Probability (cv)(BEP).

19.(Currently Amended) A wireless communications system comprised of a wireless network and at least one mobile equipment (ME) located in a serving cell of said wireless network, ~~further comprising~~
wherein said wireless network comprises:

a unit ~~in said wireless network~~ for deriving an indication of a speed of said a ME within ~~the~~ a serving cell of the network;

a transmitter ~~in said wireless network~~ for transmitting the indication of the ME speed to the ME by using a plurality of bits placed into padding bits of a Packet System Identification 13 (PSI13) message sent on a Packet Associated Control Channel (PACCH);
and

a receiver;

and wherein the ME comprises:

a receiver ~~in said ME~~ for receiving said transmitted speed indication; ~~and~~

a processor ~~in said ME~~ for implementing a filter for filtering a sequence of link quality measurement data, said filter having a finite filter length that is a function of said received transmitted speed indication; and

a transmitter ~~in said ME~~ for transmitting an indication of said filtered link quality measurement data to a the receiver of said wireless network, ~~wherein said transmitter in said wireless network transmits the indication of the ME speed by using a plurality of bits placed into padding bits of a Packet System Identification 13 (PSI13) message sent on a Packet Associated Control Channel (PACCH).~~

20.(Previously Presented) A method for operating a wireless communications system comprised of a wireless network and a plurality of mobile equipment (ME) located in at least one serving cell of said wireless network, comprising steps of:

determining in the wireless network an indication of a signal quality experienced by individual ones of the plurality of ME;

transmitting the determined indications to individual ones of the ME using a point-to-point message;

in a particular one of the plurality of ME, receiving the transmitted indication;

using the received indication for setting a finite length of a filter that operates on a sequence of link quality measurement data; and

transmitting data from the filter to the wireless network.